

Title (en)  
UNIVERSAL MARKER FOR WATER QUALITY ASSESSMENT

Title (de)  
UNIVERSELLER MARKER ZUR BEURTEILUNG DER WASSERQUALITÄT

Title (fr)  
MARQUEUR UNIVERSEL D'ÉVALUATION DE LA QUALITÉ DE L'EAU

Publication  
**EP 3830568 A4 20220427 (EN)**

Application  
**EP 19843651 A 20190801**

Priority

- US 201862714349 P 20180803
- US 2019044634 W 20190801

Abstract (en)  
[origin: WO2020028645A1] An apparatus for detecting, in a liquid such as water, concentrations of chemicals that exceed the maximum allowable concentrations, includes a substrate, and a plurality of test strips disposed on the substrate, each test strip having an indicator that reacts to a concentration of a chemical that exceeds the maximum allowable concentration for that chemical. The substrate includes a dissolvable coating covering the test strips to isolate the test strips from air prior to immersion of the substrate in the liquid, and to dissolve when immersed in the liquid to expose the indicator of each test strip to the liquid.

IPC 8 full level  
**G01N 31/22** (2006.01); **G01N 33/52** (2006.01); **G01N 33/53** (2006.01); **G01N 33/543** (2006.01); **G06T 7/00** (2017.01); **G06T 7/90** (2017.01)

CPC (source: EP US)  
**G01N 31/22** (2013.01 - US); **G01N 33/52** (2013.01 - EP US); **G01N 33/5308** (2013.01 - EP); **G01N 33/543** (2013.01 - EP); **G06T 7/0004** (2013.01 - EP); **G06T 7/90** (2016.12 - EP); **G01N 31/22** (2013.01 - EP); **G06T 2207/10024** (2013.01 - EP)

Citation (search report)

- [IAY] CN 107042469 A 20170815 - SAN FANG CHEMICAL IND CO LTD
- [XAY] US 2009095164 A1 20090416 - CELESTE SALVATORE ALBERT [US]
- [XAY] JP 2006280933 A 20061019 - ETHICON INC
- [XAY] US 2012208222 A1 20120816 - HECHT ANDREW MARK [US], et al
- See references of WO 2020028645A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2020028645 A1 20200206**; CA 3107135 A1 20200206; EP 3830568 A1 20210609; EP 3830568 A4 20220427; US 2021325374 A1 20211021

DOCDB simple family (application)  
**US 2019044634 W 20190801**; CA 3107135 A 20190801; EP 19843651 A 20190801; US 201917264981 A 20190801